1986 EDITION

FIBERGLASS LADDERS

FIBERGLASS LADDERS
IBERGLASS LADDERS
BERGLASS LADDERS
ERGLASS LADDERS
RGLASS LADDERS
GLASS LADDERS
GLASS LADDERS

Electro-Master® • Non-Conductive Ladders

WERNER®

A NAME YOU CAN STAND ON.™

Made in USA

MANUFACTURER CERTIFIES CONFORMANCE TO OSHA

AMERICAN NATIONAL STANDARD

BARCO ABRASIVES, INC.
INDUSTRIAL SUPPLIES
1409 EAST DOMINICK STREET
ROME, NEW YORK 13440-6198
PHONE: 315 339-3310

WAREHOUSING • SPECIFICATIONS

CONVENIENT DISTRIBUTION PLANTS AND WAREHOUSES

EAST:

R. D. Werner Co., Inc., Greenville, PA ..... (412) 588-8600
R. D. Werner Whse., J. D. Hendley Co., Tucker, GA.... (404) 491-1515
Saddle Creek Corp., Orlando, FL..... (305) 295-6011
R. D. Werner Warehouse, Greensboro, NC ..... (919) 272-0675
R. D. Werner Warehouse, S. Kearny, NJ ..... (201) 690-5880
Pool Distribution Services Inc., Kenner, LA ..... (504) 466-9456

MID-WEST:

R. D. Werner Co., Inc., Franklin Park, IL ..... (312) 455-9450
R. D. Werner Whse., Manufacturers' Distribution Services, ...
Minneapolis, MN ..... (612) 522-8786
Quality Warehouse, Inc., Kansas City, MO..... (816) 241-1762
Edwards Warehouse, Inc., Dallas, TX..... (214) 233-9991
R. D. Werner Whse., St. Louis, MO..... (314) 343-40

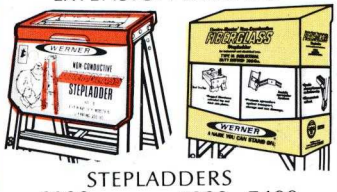
WEST:

R. D. Werner Northern California Warehouse, Union City, CA... (415) 489-9222
R. D. Werner Southern California Warehouse, Bell, CA..... (213) 269-8191
R. D. Werner Whse., P & G Associates, Inc., Kent, WA..... (206) 872-7070
Schock Transfer & Warehouse, Denver, CO..... (303) 296-8400
R. D. Werner Whse., Jay Snyder Sales, Inc., Glendale, AZ ..... (602) 939-8306

PACKAGING

All fiberglass ladders are shipped with protective packaging.

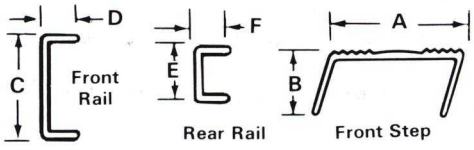
EXTENSION LADDERS



STEPLADDERS
6200 7200 - 7400

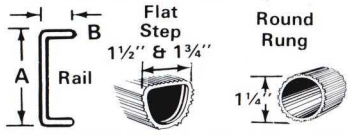
P7400
PLATFORM
LADDER

STEPLADDERS



SERIES	COLOR	A	B	C	D	E	F
6200	ORANGE	3.000	1.416	3.125	1.187	2.000	1.187
7200	YELLOW						
T7400	ORANGE	3.250	1.625	3.365	1.187	3.365	1.187
E7400		3.250	1.625	3.365	1.187	3.365	1.187
7400		3.250	1.625	3.375	1.187	2.000	1.187
P7400		3.250	1.625	3.375	1.187	2.000	1.187
7800		Round Rung 1¼" Dia.		3.150	1.172	3.150	1.172

EXTENSION, BUTT, AND MANHOLE LADDERS



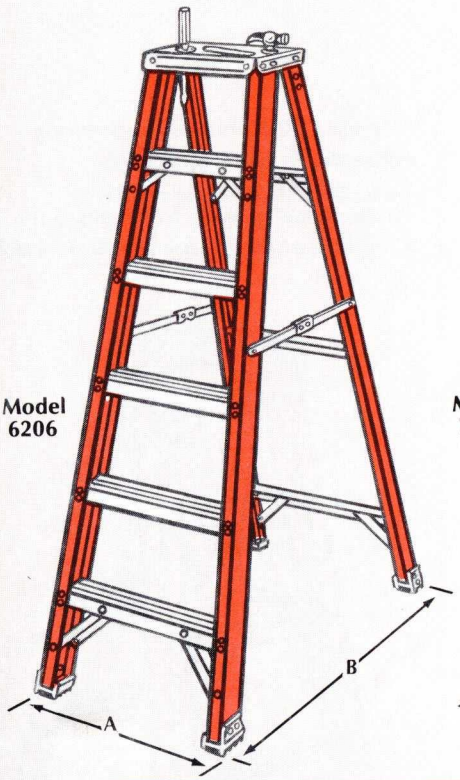
SERIES	COLOR	SIZE RANGE	A	B
B7100	YELLOW	8' thru 10'	3.150	1.172
M7100		12' thru 16'	3.290	1.180
7100		16' thru 20'	3.150	1.172
D7100		24' thru 32'	3.290	1.180
S7700		6' Sections	3.290	1.180
S7800		6' & 8' Sections	3.290	1.180
S7900		6' & 3' (Top) Sections	3.290	1.180
7500	ORANGE	16' thru 32'	3.500	1.187
D7500		36' thru 40'	4.000	1.750

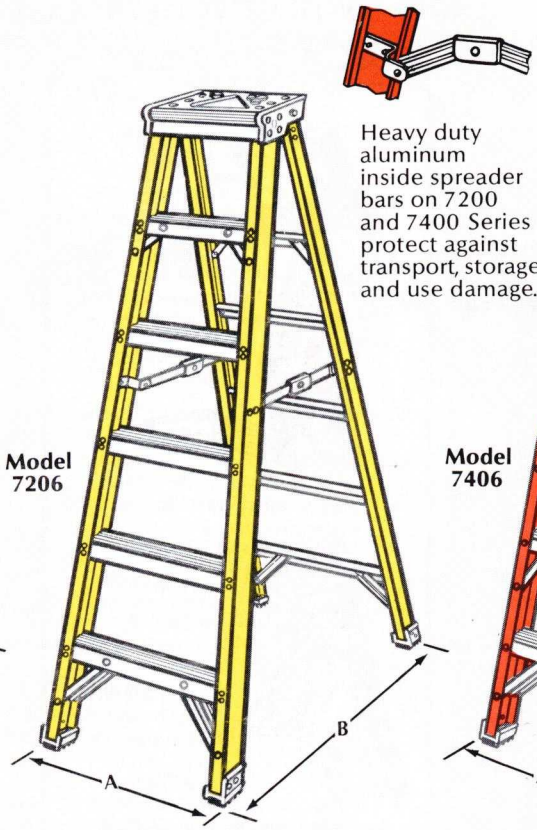
ALL STEPS AND RUNGS ARE SPACED 12" APART.

6200 SERIES

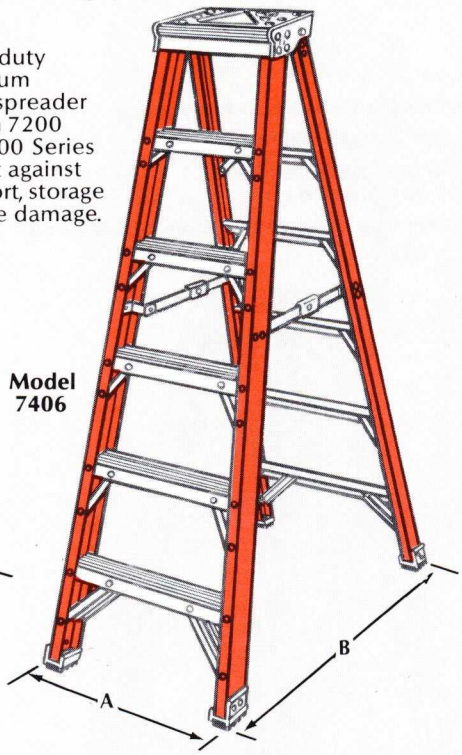
7200 SERIES STEPLADDERS

7400 SERIES

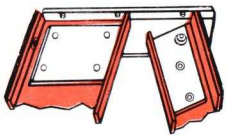




Heavy duty aluminum inside spreader bars on 7200 and 7400 Series protect against transport, storage and use damage.



FEATURES COMMON TO ALL OF THE ABOVE LADDERS

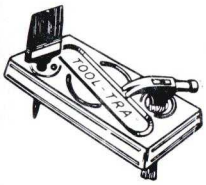


Back-up aluminum plate reinforces all top and spreader connections. Rear rail hinge and spreader bolts have nylon bushing.

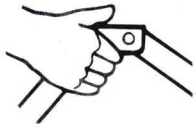
Heavy duty extruded rubber slip-resistant feet. Shielded fiberglass rail ends. double "U"-channel braces on bottom step. Single, on rear rail.

*Outer mat on all rail surfaces is a non-irritating fabric to assure a smooth trouble-free surface.

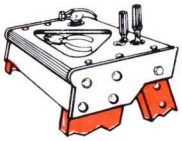
SPECIAL FEATURES OF 6200 SERIES



Exclusive Tool-Tra-Top®



Outside steel pinchless spreaders

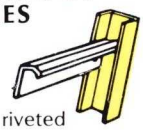


7200 & 7400 SERIES

Tops have massive 3/16" thick side plates. 4 solid 1/4" aluminum rivets attach top to each front rail. Top hinge has 5/16" shoulder bolt and lock nut. Aluminum 7" x 14" Tool-Tra-Top®.

SPECIAL FEATURES OF 7200 SERIES

Traction-Tred™ 3" deeply serrated aluminum steps.



Full set double riveted rear horizontals.

SPECIAL FEATURES OF 7400 SERIES

Best construction. All steps and rear horizontals knee-braced, triple rivet pattern to resist splitting under abuse.

Traction-Tred™ 3-1/4" deeply serrated aluminum steps.

Each step has 8 solid expansion rivets for tight joints.

Model	Size	Approx. Width "A"	Approx. Spread "B"	Approx. Wt. Lbs. Ladder Only	Approx. Wt. Lbs. Ship'g. w/Pack
6204	4'	19-1/2"	29"	12.5	13.0
6205	5'	21"	35"	15.5	16.0
6206	6'	23"	41"	18.0	19.0
6208	8'	26"	53-1/2"	25.0	26.0

Model	Size	Approx. Width "A"	Approx. Spread "B"	Approx. Wt. Lbs. Ladder Only	Approx. Wt. Lbs. Ship'g. w/Pack
7203	3'	19"	23-1/2"	12.5	13.0
7204	4'	21"	29-1/2"	15.5	16.0
7205	5'	23"	36"	18.5	19.0
7206	6'	24-1/2"	42"	22.0	23.0
7208	8'	28"	54"	30.0	31.0

Optional pail shelf Model 76-1. (See page 12)

Model	Size	Approx. Width "A"	Approx. Spread "B"	Approx. Wt. Lbs. Ladder Only	Approx. Wt. Lbs. Ship'g. w/Pack
7403	3'	19"	24-1/2"	13.0	14.0
7404	4'	21"	30-1/2"	16.5	17.0
7405	5'	23"	37"	20.5	21.0
7406	6'	24-1/2"	43"	24.0	25.0
7407	7'	26"	49"	29.0	30.0
7408	8'	28"	55"	33.0	34.0
7410	10'	31-1/2"	67-1/2"	42.5	43.0
7412	12'	35"	80"	52.5	53.0

Optional pail shelf Model 76-1. (See page 12)

*Surface mat (veil) may consist of spun bonded polyester fabric, Nexus® or equivalent.

T7400 SERIES DOUBLE STEPLADDER

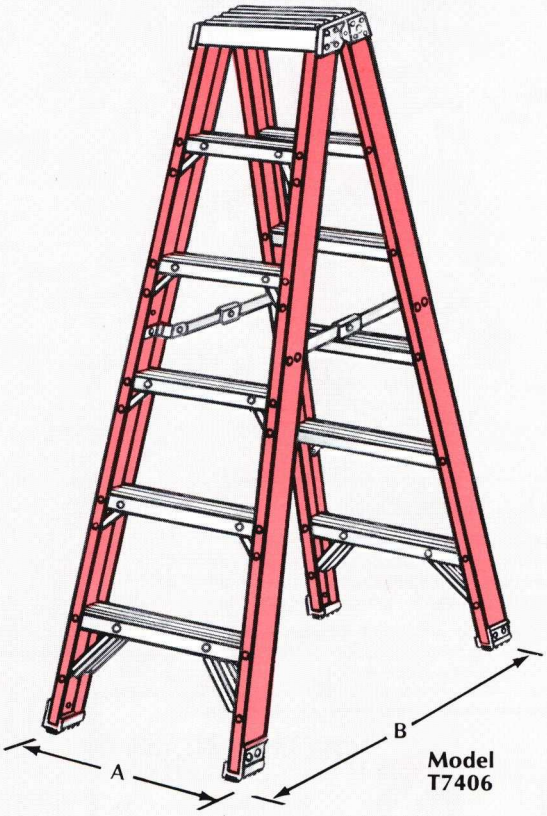
Type IA
Extra Heavy Duty
INDUSTRIAL
Duty Rating:
300 lbs.

P7400 SERIES PLATFORM LADDER

NON-CONDUCTIVE FIBERGLASS

WERNER®

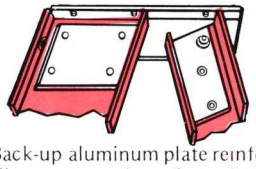
- ***Rugged all aluminum extrusions.***
- ***Massive $\frac{3}{16}$" thick side plate.***
- ***4 solid $\frac{1}{4}$" aluminum rivets, attach top to each rail.***
- ***Top hinge has $\frac{5}{16}$" shoulder bolt and lock nut.***



Model T7406

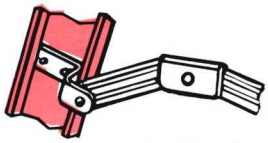
Model	Size	Approx. Width "A"	Approx. Spread "B"	Approx. Wt. Lbs. Ladder Only	Approx. Wt. Lbs. Ship'g. w/Pack
T7404	4'	21"	36"	21.5	22.0
T7405	5'	23"	43"	26.5	27.0
T7406	6'	24-1/2"	50"	31.5	32.0
T7408	8'	28"	64"	41.5	42.0
T7410	10'	31-1/2"	78"	53.5	54.0
T7412	12'	35"	92"	66.5	67.0

FEATURES



(P7400 shown)

Back-up aluminum plate reinforces all top connections. Spreader bolts aluminum backed with nylon bushing.



Heavy duty 1-1/4" inside spreader bars protects against transport, storage and use damage.
(Included on P7408 & P7410)

Traction-Tred™ 3-1/4" deeply serrated aluminum steps. Double-braced bottom step.

Every rivet backed up by metal part or washer.

Best construction, all steps and rear horizontals knee-braced. Eight solid aluminum rivets expand for tight joints. Triple rivet pattern to resist splitting under abuse.

Extruded rubber slip-resistant feet.

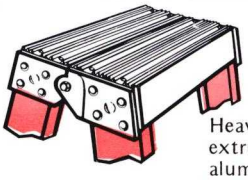
Shielded fiberglass rail ends.

Outer mat on all rail surfaces is a non-irritating fabric to assure a smooth trouble-free surface.

MANUFACTURER CERTIFIED CONFORMANCE TO ★OSHA★ ANSI A14.5 CODE FOR FIBERGLASS LADDERS

AMERICAN NATIONAL STANDARD

SPECIAL FEATURES OF T7400 SERIES



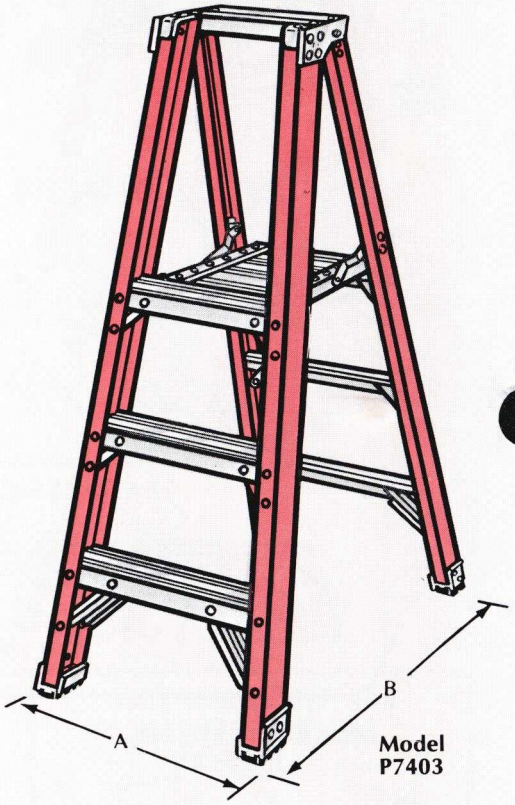
Heavy-gauge extruded aluminum top.

SPECIAL FEATURES OF P7400 SERIES

Full set of extra sturdy knee-braced rear horizontals spaced one per foot.

Aluminum platform over 200 Sq. In.

- ***Rugged all aluminum extrusions.***
- ***Massive $\frac{3}{16}$" thick side plate.***
- ***4 solid $\frac{1}{4}$" aluminum rivets, attach top to each front rail.***
- ***Top hinge has $\frac{5}{16}$" shoulder bolt and lock nut.***



Model P7403

Model	Step-ladder Height	Height to Platform	Approx. Width "A"	Approx. Spread "B"	Approx. Wt. Lbs. Ladder Only	Approx. Wt. Lbs. Ship'g w/Pack
P7403	5'	3'	23"	37"	20.5	21.0
P7404	6'	4'	24-1/2"	43"	24.0	25.0
P7406	8'	6'	28"	55"	32.5	33.0
P7408	10'	8'	31-1/2"	67-1/2"	43.5	44.0
P7410	12'	10'	35"	80"	54.0	55.0

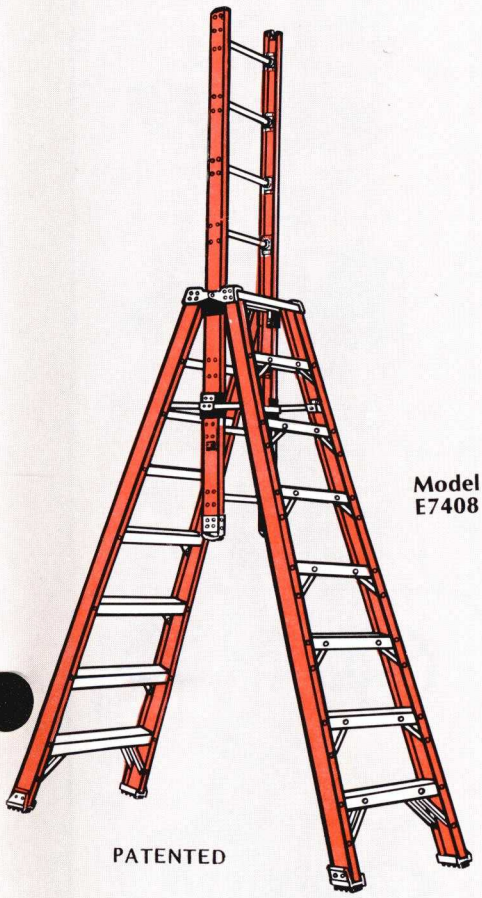
E7400 SERIES TRESTLE LADDER
(Formerly E7300 Series)

Type IA
Extra Heavy Duty
INDUSTRIAL
Duty Rating:
300 lbs.

7800 SERIES COMBINATION LADDER SPECIAL PURPOSE LADDER

NON-CONDUCTIVE FIBERGLASS

WERNER®



Model E7408

PATENTED

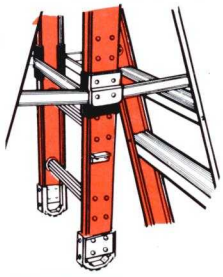
E7400 SERIES

Traction-Tred™ 1-1/4" deeply serrated aluminum rungs on vertical section.

3-1/4" wide deeply serrated aluminum steps

Double-braced bottom step. Every rivet backed up by metal part or washer.

Best construction, all steps knee-braced. Eight solid aluminum rivets expand for tight joints. Triple rivet pattern to avoid splitting under abuse.



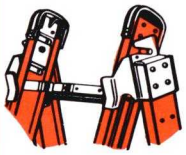
Heavy-duty zinc plated steel internal spreaders protected from damage and abuse.

Rung section feet with extruded rubber tread, and protective rail shield.

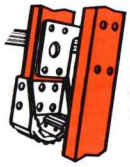
MANUFACTURER CERTIFIES CONFORMANCE TO ★OSHA★ ANSI A14.5 CODE FOR FIBERGLASS LADDERS

AMERICAN NATIONAL STANDARD

7800 SERIES

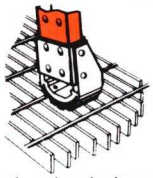


Protective non-marring end caps. Heavy-gauge plated steel bracket engages steel pin to lock sections in stepladder position.



Fixed web mounted, extruded aluminum

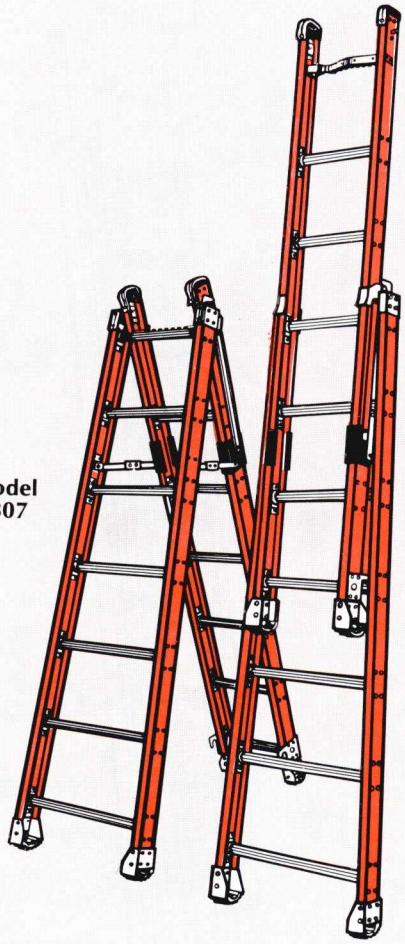
Padded V-rung is standard.



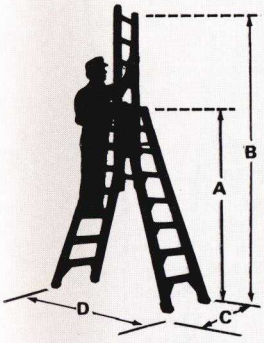
Extra-large, extruded rubber feet. Twice the area of standard feet.

Common Features:
Nylon coated guide and polyethylene rung wear sleeves assure minimum friction and wear, increases ease of operation.

Outer mat on all rail surfaces is a non-irritating fabric to assure a smooth trouble-free surface.



Model 7807

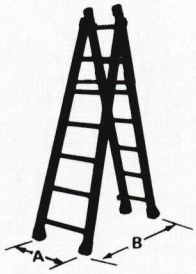


Well designed and constructed to provide a smooth operating unit, firmly supporting the rung section.

RAISING RUNG SECTION
Slide section upwards, rungs push lock clear – lock automatically resets.

REMOVING RUNG SECTION
Partially close ladder and lay on side.
Hold lock open.
Push rung section thru base section.

LOWERING RUNG SECTION
Design requires user to manually hold rung lock open when lowering. Release of lock stops section at next rung.



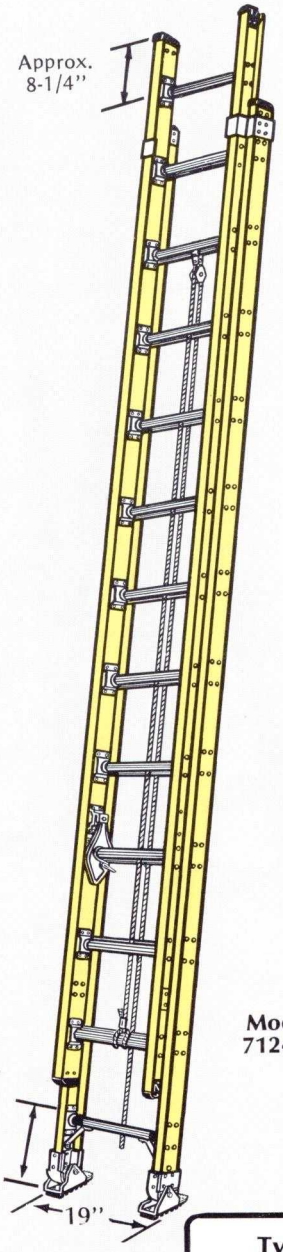
Overlap, 3' – Parallel Section:
14-1/2" O.D., 12" I.D.
17-1/2" O.D. of flared section at top depth of ladder in closed position: 7-1/8"
I. D. = Inside dimension
O.D. = Outside dimension

Model	Step-ladder Size	Stepladder Height "A"	Max. Extended Ladder Height "B"	Max. Extended Work'g. Height	Bottom Width Outside "C"	Spread at Bottom "D"	Approx. Wt. Lbs.	
							Ladder Only	Ship'g. w/Pack
E7408	8'	92"	13'	11' 8"	32-1/2"	68"	69.0	70.0
E7410	10'	115"	16'	14' 7"	36"	82"	90.0	91.0
E7412	12'	138"	20'	18' 6"	39-1/2"	96"	107.5	109.0

Model	Step-ladder Height	Exten. Ladder Work'g. Length	Width at Flair "A"	Stepladder Spread "B"	Length of ladder in Closed Position	Approx. Ship'g. Wt. Lbs.
7806	6'	9-1/2'	23"	46"	79"	32.0
7807	7'	11-1/2'	24"	53"	91"	35.5
7808	8'	13-1/2'	25"	60"	103"	39.0

7100 SERIES ROUND RUNG
D7100 SERIES FLAT RUNG

EXTENSION LADDERS



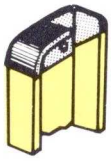
Model
7124-2

SECTIONS SEPARATE
THRU TOP

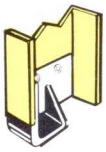
Type IA
Extra Heavy Duty
INDUSTRIAL
Duty Rating:
300 lbs.

NON-CONDUCTIVE FIBERGLASS

WERNER®



End Caps

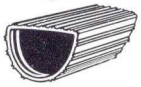


Rail Closures

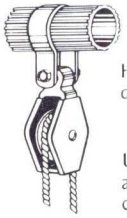
Non-marring, polycarbonate end caps and rail closures.

Traction-Tred™ rungs. Aluminum — deeply serrated. Replaceable. See Page 15.

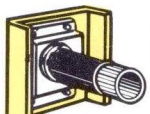
7100
1-1/4"
Round Rung



D7100
1-1/2"
Flat Step



Heavy-duty aluminum extruded pulley design and 5/16" polypropylene rope.

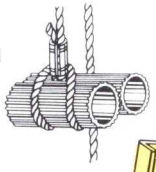


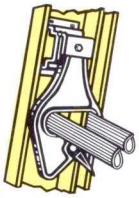
7100

D7100

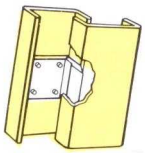
Polyethylene rung-wear sleeves separate aluminum from fiberglass, reducing wear.

Unique extruded aluminum rope clamp ties rope to rung.



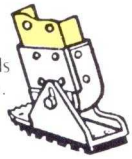


Gravity/spring activated heavy die-cast aluminum double-rung lock with large spring-activated molded nylon flipper.



Interlocking side rails. Internal guides on bottom of fly section, and external guides on top of base separate rails.

Aluminum rail shield and shoe bracket guards against abusive damage. Aluminum shoe with steel ice-pick plate.

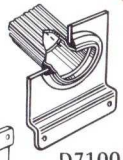


Outer mat on all rail surfaces is a non-irritating fabric to assure a smooth trouble-free surface.

MANUFACTURER CERTIFIES CONFORMANCE TO ★OSHA★ ANSI A14.5 CODE FOR FIBERGLASS LADDERS

AMERICAN NATIONAL STANDARD

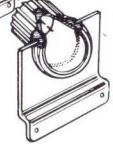
Heat treated rung



D7100

Locking ferrule work hardened during swedging

Rung plate



Alflo®

Rung joints make ladder Twist-Proof®

NOTE: Prepainted polane polyurethane rails available on special request to minimize weathering and extend life. Polane can also be applied after weathering. (See page 15)

7100 & D7100 Series 16 ft. thru 32 ft.	WIDTH	BASE & SINGLE	FLY
	INSIDE OF RAILS	15-3/8"	13-5/8"
	OUTSIDE OF RAILS	17-3/4"	16"
	OUTSIDE OF SHOES	19"	—

STACKED HEIGHT	RAIL DEPTH	RAIL WIDTH	RUNG SIZE
16' & 20' 5-3/16"	3-1/8"	1-3/16"	7100 Series 1-1/4" Round
24',28',32' 5-5/8"	3-1/4"		D7100 Series 1-1/2" Flat

ROUND RUNG EXTENSION LADDER

Model	Total Length Sections	Over lap	Max. Work'g Length	Approx. Wt. Lbs. Ladder Only	Approx. Wt. Lbs. Ship'g. w/Pack
7116-2	16'	3'	13'	32.0	34.0
7120-2	20'	3'	17'	38.0	41.0
7124-2	24'	3'	21'	51.5	54.0
7128-2	28'	3'	25'	59.0	62.0
7132-2	32'	3'	29'	70.5	73.0

ROUND RUNG SINGLE LADDER

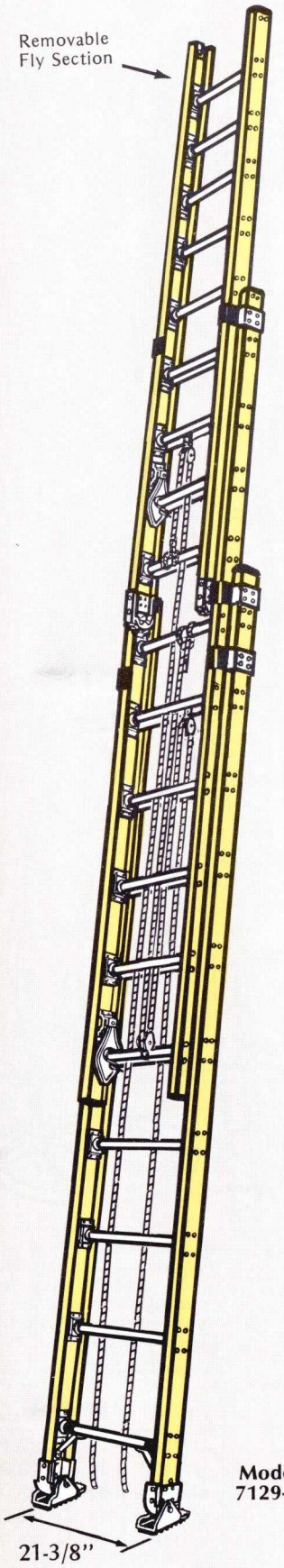
Model	Total Length	Approx. Wt. Lbs. Ladder Only	Approx. Wt. Lbs. Ship'g. w/Pack
7108-1	8'	15.5	18.0
7110-1	10'	19.0	22.0
7112-1	12'	25.5	28.0
7114-1	14'	29.5	32.0
7116-1	16'	35.0	38.0

FLAT STEP EXTENSION LADDER

Model	Total Length Sections	Over-lap	Max. Work'g. Length	Approx. Wt. Lbs. Ladder Only	Approx. Wt. Lbs. Ship'g. w/Pack
D7116-2	16'	3'	13'	34.0	36.5
D7120-2	20'	3'	17'	41.0	43.0
D7124-2	24'	3'	21'	56.0	58.5
D7128-2	28'	3'	25'	64.5	66.5
D7132-2	32'	3'	29'	74.5	77.0

All sizes include pre-pierced holes at top of fly for field installation of accessories.
Actual closed length of extension ladder is 4-1/2" longer on all sizes.
EXAMPLE: For 7124-2 closed length is 12' 4-1/2".

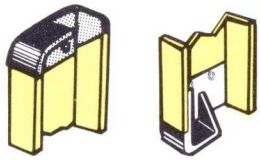
7100 SERIES 3 SECTION FIBERGLASS EXTENSION LADDER



Model
7129-3

NON-CONDUCTIVE FIBERGLASS

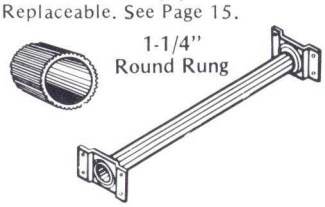
WERNER®

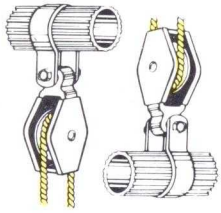


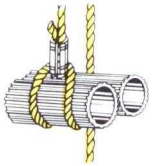
End Caps Rail Closures

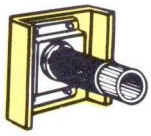
Non-marring, polycarbonate end caps and rail closures.

Traction-Tred™ rungs. Aluminum — deeply serrated. Replaceable. See Page 15.



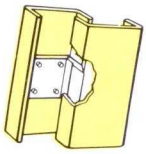




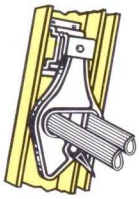


Polyethylene rung-wear sleeves separate aluminum from fiberglass, reducing wear.

Heavy-duty aluminum extruded double pulley system.
5/16" polypropylene rope is tied to rung with unique extruded aluminum clamp.

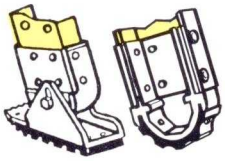


Interlocking side rails. Internal guides on bottom of fly section, and external guides on top of base separate rails.



Gravity/spring activated heavy die-cast aluminum double-rung lock with large spring-activated molded nylon flipper.

Aluminum rail shield and shoe bracket guards against abusive damage. Aluminum shoe with steel ice-pick plate.



Base Shoe Fly Shoe

Heat treated rung

Locking ferrule work hardened during swedging

Rung plate

Alflo®

Rung joints make ladder Twist-Proof®

NOTE: Prepainted polane polyurethane rails available on special request to minimize weathering and extend life. Polane can also be applied after weathering. (See page 15)

Type IA
Extra Heavy Duty
INDUSTRIAL
Duty Rating:
300 lbs.

†Exception:
250 lb. Duty Rating

Model	Middle & Base Section	Length of Top Section	Overall Lgth. of Sections	Max. Work'g. Lgth.	Approx. Wt. Lbs.	
					Ladder Only	Ship'g. w/Pack
7126-3	9' Each	8' Each	26'	20'	68.5	72.0
7129-3	10' Each	9' Each	29'	23'	74.5	78.0
7132-3	11' Each	10' Each	32'	26'	83.5	86.0
†7135-3	12' Each	11' Each	35'	29'	89.5	93.0

Outer mat on all rail surfaces is a non-irritating fabric to assure a smooth trouble-free surface.

MANUFACTURER CERTIFIES CONFORMANCE TO ★OSHA★ ANSI A14.5 CODE FOR FIBERGLASS LADDERS

AMERICAN NATIONAL STANDARD

Available from Franklin Park Plant only:
NON-STOCK, SPECIAL ORDER

3-SECTION LADDERS

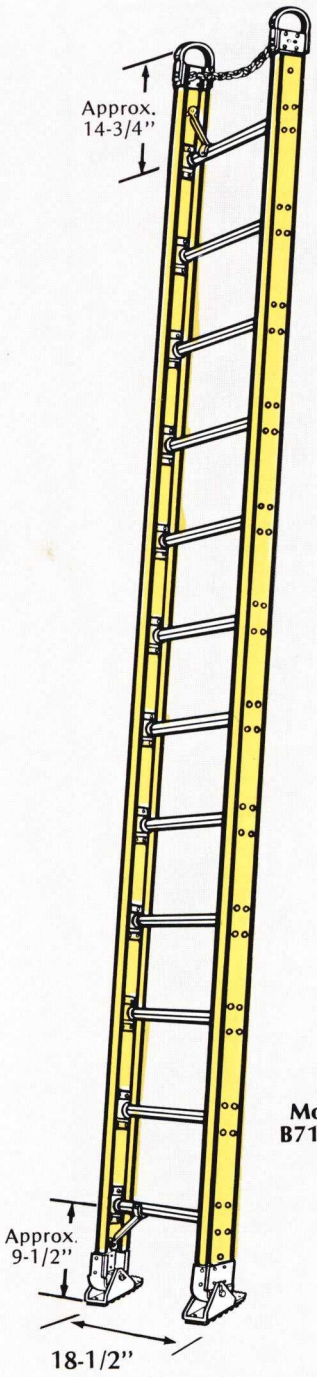
FLY	OUTSIDE RAILS	INSIDE RAILS
	15"	12-1/2"
MIDDLE	OUTSIDE RAILS	INSIDE RAILS
	17-3/4"	15-3/8"
BASE	OUTSIDE RAILS	OUTSIDE FEET
	20-3/4"	21-3/8"

B7100 SERIES BUTT LADDER

SPECIAL PURPOSE LADDERS

M7100 SERIES MANHOLE LADDER

NON-CONDUCTIVE FIBERGLASS

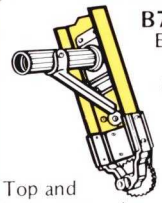


Model B7112-1

WERNER®

B7100 SERIES

Equipped with plated steel multi-purpose pole chain.



Traction-Tred™ 1-1/4" deeply serrated aluminum rungs

Top and bottom rung braced. Aluminum rail shield strengthens top and bottom of rail from abuse.

Option B7100-1A, Plated steel spur feet.

Aluminum swivel shoe with steel ice-pick plates and heavy extruded rubber tread. (Standard B7100-1)

Option (B7100-1B) — Fixed aluminum hoop shoe with rubber pad.

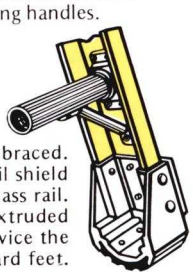
Alflo® rung joints make ladder Twist-Proof®. See illustration, Page 6.

AMERICAN NATIONAL STANDARD

MANUFACTURER CERTIFIES CONFORMANCE TO ★OSHA★ ANSI A14.5 CODE FOR FIBERGLASS LADDERS

M7100 SERIES

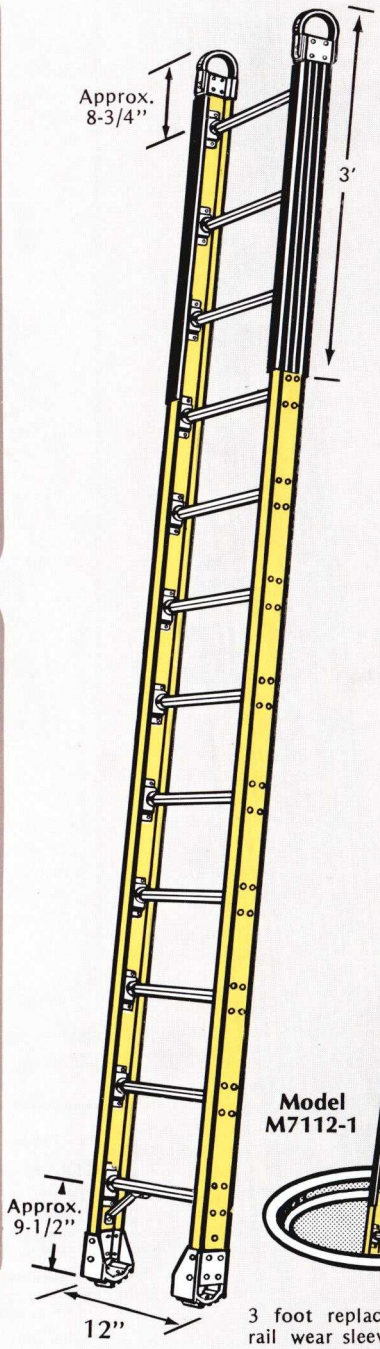
Extruded loop end caps, vinyl coated. Serve as lowering handles.



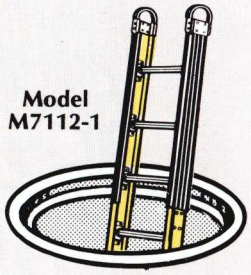
Bottom rung braced. Aluminum rail shield protects fiberglass rail. Extra large extruded rubber feet. Twice the area of standard feet.

Alflo® rung joints make ladder Twist-Proof®. See illustration, Page 9.

Outer mat on all surfaces is a non-irritating fabric to assure a smooth trouble-free surface.



Model M7112-1



3 foot replaceable plastic rail wear sleeves (included with ladder) to avoid manhole rim damage to ladder rail. See Accessory No. 89-1. Page 12.

Model	Size	Approx. Wt. Lbs. Ladder Only	Approx. Wt. Lbs. Ship'g. w/Pack
B7108-1	8'	20.0	23.0
B7110-1	10'	24.0	27.0
B7112-1	12'	28.0	31.0
B7114-1	14'	32.0	35.0
B7116-1	16'	35.5	39.0

Type IA
Extra Heavy Duty
INDUSTRIAL
Duty Rating:
300 lbs.

Available from Franklin Park Plant only:
NON-STOCK, SPECIAL ORDER

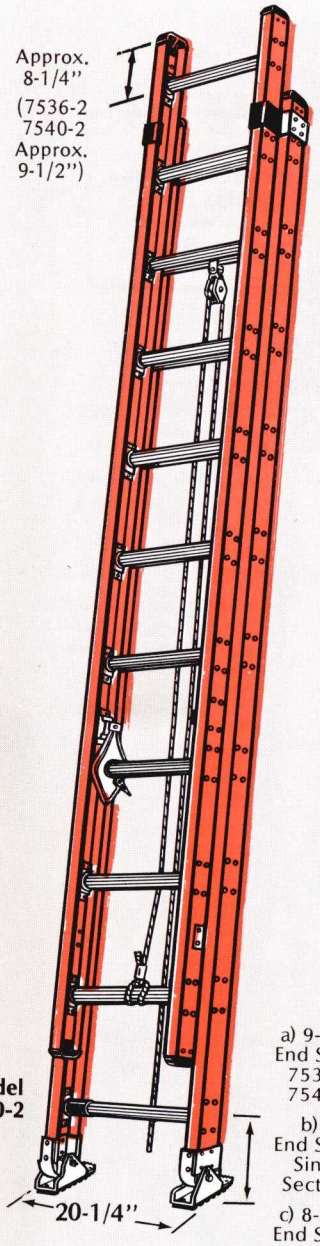
Model	Size	Approx. Ship'g. Wt. Lbs.
M7108-1	8'	17.0
M7110-1	10'	20.0
M7112-1	12'	27.0
M7114-1	14'	30.0
M7116-1	16'	36.0

7500 SERIES ROUND RUNG
D7500 SERIES FLAT RUNG

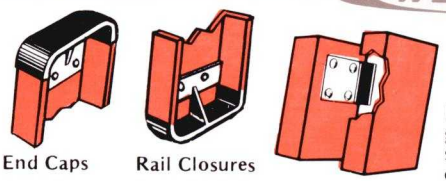
EXTENSION LADDERS

NON-CONDUCTIVE FIBERGLASS

WERNER®



Model 7520-2



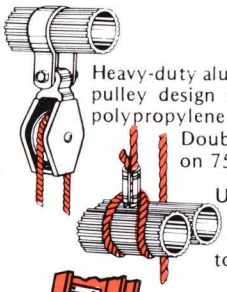
End Caps Rail Closures

Non-marring, polycarbonate end caps and rail closures.

Internal nylon coated guides on bottom of fly section for smoother operation and less wear.

Traction-Tred™ rungs. Aluminum — deeply serrated. Replaceable. See Page 15.

7500 1-1/4" Round Rung D7500 1-3/4" Flat Step

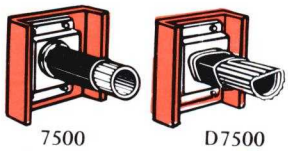


Heavy-duty aluminum extruded pulley design and 3/8" orange polypropylene rope.

Double pulley standard on 7536-2 & 7540-2.

Unique extruded aluminum rope clamp ties rope to rung.

Extruded hi-strength black nylon coated aluminum guides on top of base section reduce friction for ease of operation and less wear



7500 D7500

Polyethylene rung-wear sleeves separate aluminum from fiberglass, reducing wear.

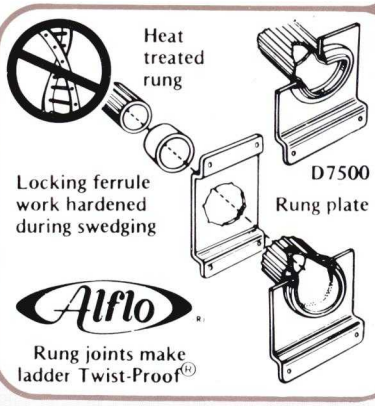
Gravity/spring activated heavy die-cast aluminum double-rung lock with large spring-activated molded nylon flipper.

Aluminum rail shield and shoe bracket guards against abusive damage. Aluminum shoe with steel ice-pick plate.

Outer mat on all rail surfaces is a non-irritating fabric to assure a smooth trouble-free surface.

MANUFACTURER CERTIFIES CONFORMANCE TO ★OSHA★ ANSI A14.5 CODE FOR FIBERGLASS LADDERS

AMERICAN NATIONAL STANDARD



Alflo®

Rung joints make ladder Twist-Proof®

a) 9-1/2" End Space 7536-2 7540-2

b) 8" End Space Single Sections

c) 8-1/2" End Space All Other

SECTIONS SEPARATE THRU TOP (Except 36' & 40')

Type IA Extra Heavy Duty INDUSTRIAL Duty Rating: 300 lbs.

SIZES	WIDTH	EXTENSION LADDER BASE	EXTENSION LADDER FLY	SINGLE LADDER 8'-16'	STACKED HEIGHT	RAIL DEPTH	FLANGE WIDTH	RUNG SIZE
SINGLES 8' thru 16' EXTENSIONS 16' thru 32'	INSIDE OF RAILS	16-3/4"	13-3/4"	13-3/4"	6"	3-1/2"	1-3/16"	7500 Series 1-1/4" Round D7500 Series 1-3/4" FLAT
	OUTSIDE OF RAILS	19"	16"	16"				
	OUTSIDE OF SHOES	20-1/4"		17-1/4"				
SINGLES 18' & 20' EXTENSIONS 36' & 40'	INSIDE OF RAILS	17-1/2"	13-1/4"	13-1/4"	7-1/4"	4"	1-3/4"	7500 Series Only 1-1/4" Round
	OUTSIDE OF RAILS	21"	16-3/4"	16-3/4"				
	OUTSIDE OF SHOES	22"	—	18"				

ROUND RUNG SINGLE LADDER

Model	Total Length	Approx. Wt. Lbs. Ladder Only	Approx. Wt. Lbs. Ship'g. w/Pack
7508-1	8'	18.5	22.0
7510-1	10'	22.5	26.0
7512-1	12'	26.0	29.0
7514-1	14'	30.0	33.0
7516-1	16'	35.0	38.0
7518-1	18'	48.0	52.0
7520-1	20'	54.5	58.0

ROUND RUNG EXTENSION LADDER

Model	Total Length Sections	Over-lap	Max. Work'g. Length	Approx. Wt. Lbs. Ladder Only	Approx. Wt. Lbs. Ship'g. w/Pack
7516-2	16'	3'	13'	38.0	43.0
7520-2	20'	3'	17'	46.0	51.0
7524-2	24'	3'	21'	54.5	60.0
7528-2	28'	3'	25'	62.5	68.0
7532-2	32'	3'	29'	73.0	78.0
7536-2	36'	4'	32'	102.0	107.0
†7540-2	40'	5'	35'	115.5	120.0

FLAT STEP EXTENSION LADDER

Model	Total Length Sections	Over-lap	Max. Work'g. Length	Approx. Wt. Lbs. Ladder Only	Approx. Wt. Lbs. Ship'g. w/Pack
D7516-2	16'	3'	13'	41.0	45.0
D7520-2	20'	3'	17'	49.5	54.0
D7524-2	24'	3'	21'	58.5	63.0
D7528-2	28'	3'	25'	67.0	71.0
D7532-2	32'	3'	29'	77.5	81.0

†Exception: Type I 250 lbs. Duty Rating

All sizes include pre-pierced holes at top of fly for field installation of accessories.
Actual closed length of extension ladder is 4-1/2" longer on all sizes.
EXAMPLE: For 7524-2 closed length is 12' 4-1/2".

S7700 SERIES PARALLEL SECTIONAL LADDER

SPECIAL PURPOSE LADDERS

S7800 SERIES EXTENDABLE COMBINATION SECTIONAL LADDER

WERNER® NON-CONDUCTIVE FIBERGLASS

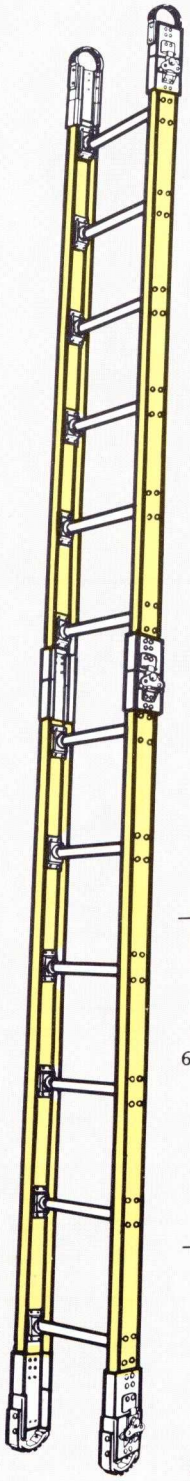
Type I Heavy Duty INDUSTRIAL Duty Rating: 250 lbs.

MANUFACTURER CERTIFIES CONFORMANCE TO ★OSHA★ ANSI A14.5 CODE FOR FIBERGLASS LADDERS

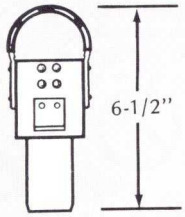
AMERICAN NATIONAL STANDARD

Alflo®

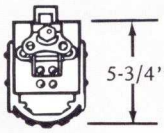
Patented rung joints make ladder Twist-Proof®. 1-1/4" deeply serrated aluminum rungs.



12" or 18" to outside

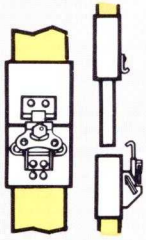


S7701
Vinyl coated aluminum top end cap



S7702
Slip-resistant bottom foot

6' 4"



LOCKED UNLOCKED

12½" or 19½" Outside Locks

Sections joined by heavy-duty male and female aluminum extruded fittings secured by a cam driven tension clamp.

Model S7706-1

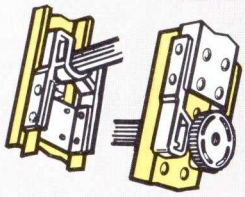
15-7/8"

Pre-pierced holes for top options:
a) No. A71-1 Padded V-Rung
b) No. A72-1 Adj. Pole Strap

Optional Cable Hooks No. A74-1

Type IA Extra Heavy Duty INDUSTRIAL Duty Rating: 300 lbs.

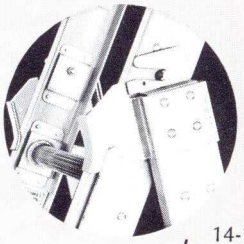
Model S7810-3 Top Section



Rungs nest in top channel

Hand operated taper-lock secures mating sections.

Max. extended length (See table below)



Heavy-gauge plated steel bracket engages steel pin to lock sections in step-ladder position.

14-1/2"

7' 4" (6' Base)
8' 3" (7' Base)

68-3/4"

81-1/4"

Model S7806-1 Base Section

46" (6' Base)
53" (7' Base)

22" (6' Base)
23" (7' Base)

Model	Description	Approx. Ship'g. Wt. Product Only Each	Approx. Ship'g. Wt. Ship'g. w/Pack Each
S7806-1	6' Base Section	40.5 lbs.	40.0 lbs.
S7807-1	7' Base Section	45.0 lbs.	45.0 lbs.
S7806-3	6' Top Section	14.5 lbs.	15.0 lbs.
S7808-3	8' Top Section	18.5 lbs.	19.0 lbs.
S7810-3	10' Top Section	23.0 lbs.	23.0 lbs.
S7812-3	12' Top Section	27.0 lbs.	27.0 lbs.

Model	Size	Max. Number of Sections	Approx. Max Assembled Length (Includes Feet & End Caps)	DESCRIPTION	Approx. Ship'g. Wt. Product Only	Approx. Ship'g. Wt. Ship'g. w/Pack
S7701	--------	--------	--------	Top End Cap (2 each required)	1.5lbs/ea	1.5lbs/ea
S7702	--------	--------	--------	Bottom Foot (2 Required)	1.5lbs/ea	1.5lbs/ea
S7706-1	6 ft.	3	19'	12" Wide Parallel Manhole Section	15.0 lbs.	15.0 lbs.
S7706-2	6 ft.	3	19'	18" Wide Parallel Section	16.0 lbs.	16.0 lbs.

Other sizes available upon request.

Model No. Top Section	Top Section Length	Maximum Extended Length with: 6' Base Section (S7806-1	Maximum Extended Length with: 7' Base Section (S7807-1)
S7806-3	6'	16' 6"	18' 6"
S7808-3	8'	18' 6"	20' 6"
S7810-3	10'	20' 6"	22' 6"
S7812-3	12'	22' 6"	24' 6"

Maximum of one top section may be added to base to maintain load rating.

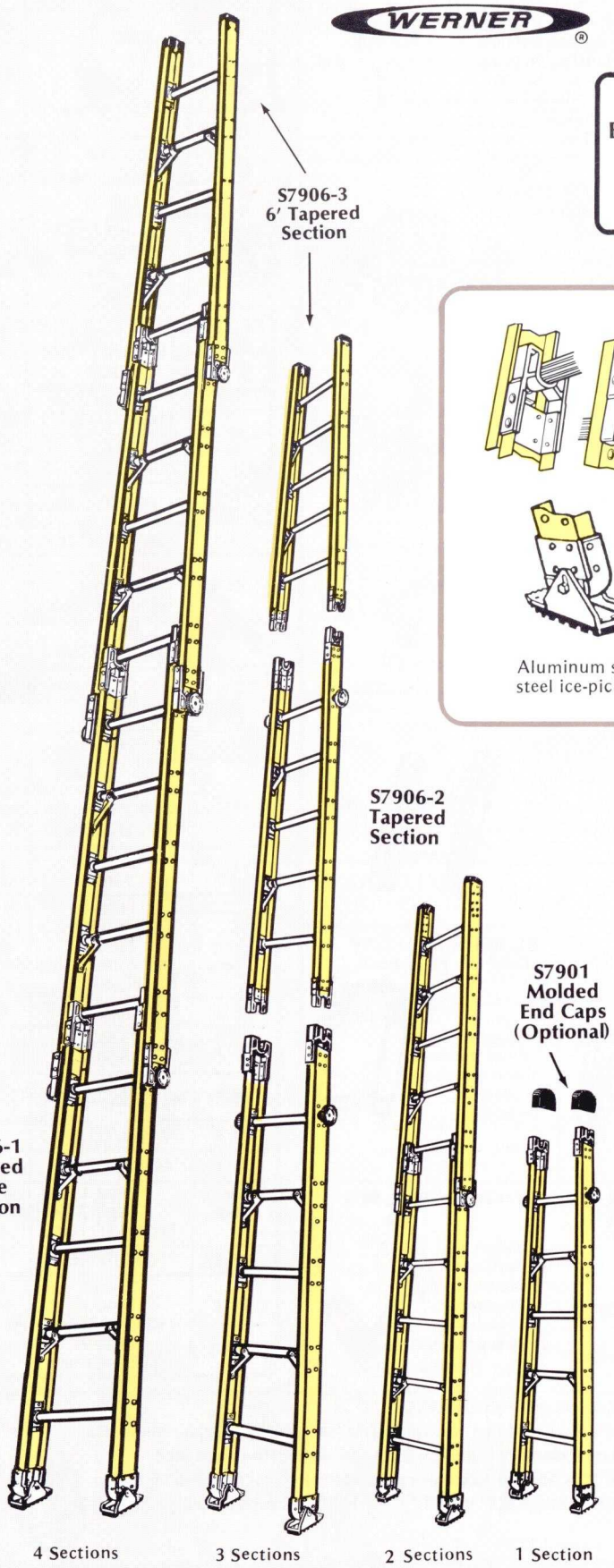
S7900 SERIES TAPERED SECTIONAL LADDER

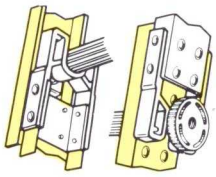
SPECIAL PURPOSE LADDER

WERNER®

NON-CONDUCTIVE FIBERGLASS

Type IA
Extra Heavy Duty
INDUSTRIAL
Duty Rating:
300 lbs.



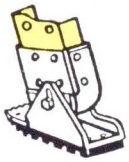


Rungs nest in top channel

Hand operated taper-lock secures mating sections.

Non-marring polycarbonate end caps

Optional Molded end cap Model No. S7901

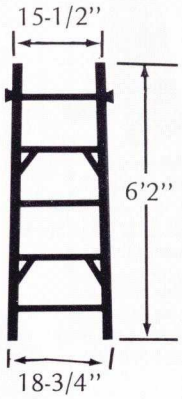


Aluminum shoe with steel ice-pick plate.

Alflo®

Patented rung joints make ladder Twist-Proof®. 1-1/4" deeply serrated aluminum rungs.

(Featured on all Sectional ladders) Interchangeable tapered sections threaded locking mechanism locks sections securely.



MANUFACTURER CERTIFIES CONFORMANCE TO ★OSHA★ ANSI A14.5 CODE FOR FIBERGLASS LADDERS

AMERICAN NATIONAL STANDARD

Number of 6' Sections	Total Assembled Length
1 Base Section	6' 2"
1 Base + 1 Tapered Top Section	11' 2"
1 Base + 1 Tapered + 1 Top Section	16' 2"
1 Base + 2 Tapered + 1 Top Section	21' 2"

Model	DESCRIPTION	Approx. Ship'g. Wt.	
		Product Only Each	Ship'g. w/Pack Each
S7906-1	6' Tapered Base Section with Swivel Shoes	17.0	17.0
S7906-2	6' Tapered Section	15.5	16.0
S7906-3	6' Tapered Top Section with polycarbonate end caps	13.0	13.0
S7903-3	3' Tapered Top Section with polycarbonate end caps	6.5	7.0
S7901	Molded End Cap (2 req'd.) Use as end cap on Tapered Section	.8	1.0

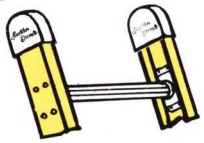
FIBERGLASS ACCESSORIES

Kits for user or factory installation.

LADDER GUARDS

Model No. 19-1
(24 pr., each carton)

Reduces ladder slippage.
Helps prevent damage to support surfaces.



Use normal safety precautions when using any ladder.

3/8" WALL POLY-PLUS® ROPE KIT

Model Nos. 68-1 thru 68-7

Polyester, polypropylene, polyethylene blend plied balanced yarn.

3/8" MANILA ROPE KIT

Model Nos. 69-1 thru 69-7

V-RUNG KIT

Model
70-1 70-2

Plated steel pierced to grip wood poles.

PADDED V-RUNG KIT

Standard on 7800 Series
Model No. 71-1 71-2

Non-slip rubber grip attached to steel for metal or concrete poles.

Includes Universal Triangular Brackets.
**Available on special request.

ADJUSTABLE POLE STRAP KIT

Model No. 72-1 and 72-2 (MK II)

Holds rung clear of pole. Adjustable strap design for all diameter poles.

Includes angle bracket with hole to accept No. 91-1 Pole Lash Assembly.

CORNER V-HOUSE PAD KIT

Model No. 73-3 thru 73-7

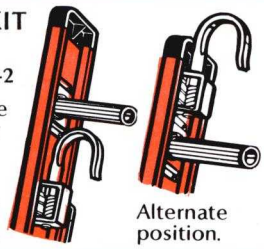
Aluminum with non-marring pad spreads load for use on metal or plastic siding.
90° V to engage corners.

(Attach to 4 hole pattern above top rung.)

CABLE HOOK KIT (2 HOOKS)

Model No. 74-1, 74-2

Cable Hook can be mounted above or below top rung.



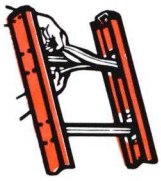
Factory installed position.

Alternate position.

INSULATED SLEEVE KIT

Model No. 75-1

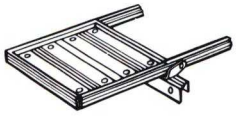
Heavy synthetic rubber insulates top rung.
Slip-on fit.



PAIL SHELF KIT

Model 76-1

Mounting holes in ladder are pre-pierced.



POLE LASH KIT

Model No. 81-3

Hoop end caps required are standard on long length ladders.

RUBBER END CAP

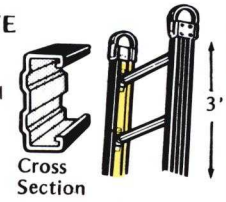
Model No. 88-1 88-2

Non-marring rubber prevents marks on metal or plastic surfaces.

RAIL WEAR SLEEVE

Model No. 89-1

3' replaceable plastic rail wear sleeves help avoid manhole rim damage to ladder rail.

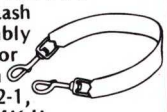


Cross Section

POLE LASH KIT

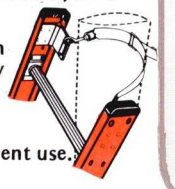
Model No. 91-1

Pole Lash Assembly only for use on No. 72-1, 72-2 MK II Pole Strap Bracket



Model No. 91-2, 91-3

Pole Lash Assembly with brackets for independent use.



Model No.	USED ON SERIES No.	SIZE	Approx. added wt. to ladder
19-1	7100-1/7100-2 D7100-2	ALL	0.5
68-1	ALL Extensions	16'	.8
68-2		20'	.9
68-3		24'	1.0
68-4		28'	1.2
68-5		32'	1.3
68-6		36'	2.0
68-7		40'	2.2
69-1	ALL Extensions	16'	.8
69-2		20'	1.0
69-3		24'	1.1
69-4		28'	1.3
69-5		32'	1.5
69-6		36'	2.3
69-7		40'	2.5
70-1	**7100-1 7100-2/D7100-2 7800	8'–16'	1.5
		16'–32'	1.5
71-1		6', 7', 8'	1.5
70-2	7500-1 7500-2/D7500-2	8'–16'	1.5
71-2		16'–32'	1.7
72-1 MK II	7100-1/7500-1 7500-2/D7500-2	8'–16' 16'–32'	1.3
72-2 MKII	7100-2/D7100-2	16'–32'	1.1
73-3	7100-2/D7100-2	ALL	
73-4	S7800 7100-3 (Top Section)	ALL	2.3
73-5	7500-1 7500-2/D7500-2	8'–16' 16'–32'	2.5
73-6	7500-1 7500-2 E7300	18'&20' 36'&40' ALL	2.6
73-7	7100-1	ALL	
74-1	7100-1/7500-1 7100-3 7100-2/D7100-2 7500-2/D7500-2	8'–16' 26'–35' 16'–32' 16'–32'	2.6
74-2	7500-1 7500-2	18'&20' 36'&40'	3.1
75-1	7100-1 7100-2/D7100-2 7500-2 7500-2 D7500-2-	8'–16' 16'–32' 8'–20' 16'–40' 16'–32'	1.7
76-1	7200/7400	ALL	1.9
81-3	7500-1 7500-2	18' & 20' 36' & 40'	1.3
88-1	7100-1 7100-2/D7100-2	8'–16' 16'–28'	2.2
88-2	7100-2/D7100-2	32'	
89-1	M7100/7100-1	8'–16'	2.4
91-1	7500-1 7500-2 7100-2/D7100-2	18' & 20' 36' & 40' ALL	1.5
91-2	7100-2/D7100-2	ALL	2.1
91-3	7100-1 7500-1 7500-2/D7500-2 7100-3 (Top Section)	ALL 8'–16' 16'–32' -------	2.3

ORDERING INSTRUCTIONS:

a) When ordering ladders with attached Kits use prefix "A" with the Kit Model No. and suffix "X" after the ladder Model No.
EXAMPLE: 7524-2X 24 ft. Fiberglass Extension Ladder with A74-1 Cable Hook attached.

b) When order Kits for field installation, advise what Series it will be applied to so we can verify the correct Kit Model No.

c) Pre-pierced holes in fiberglass 7100, D7100-2, 7500-2 & D7500-2 Series (16' thru 32') provided to accept accessory Models 70, 71, 72, 73 & 74.

d) Kits include necessary attachments.

FIBERGLASS ACCESSORIES

Options for factory installation only.

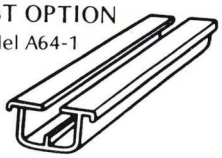
COMBINATION SPUR – HOOP SHOE OPTION
Model A61-1

DOUBLE PULLEY & ROPE OPTION
Models A63-4 thru A63-7

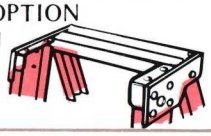
3/8" Polypropylene rope.

Standard on Models 7536-2, 7540-2

SHOULDER REST OPTION
Model A64-1



PLATFORM LADDER FIBERGLASS CHANNEL TOP OPTION
Model A65-1



STEPLADDER WITH BLACK VINYL COATED TOP
Model A67-1

V-RUNG OPTION
Model A70-3

Plated steel pierced to grip wood poles.

PADDED V-RUNG OPTION
Model A71-3

Non-slip rubber grip attached to steel for metal or concrete poles.

ADJUSTABLE POLE STRAP OPTION
Model A72-3

Includes special mounting brackets.

Pole Lash Strap 91-1 can be added.

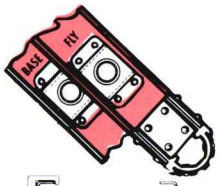
CORNER V-HOUSE PAD KIT
Models A73-8 thru A73-18

Aluminum with non-marring pad spreads load for use on metal or plastic siding.

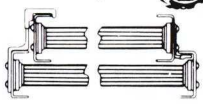
90° V to engage corners.

(Placed in top rung position)

FLY SECTION SHOE OPTION
Models A78-1 thru A78-11



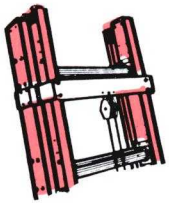
Internal guides on bottom of fly are deleted on 7500-2 Series Option.



Loop foot with corrugated slip-resistant pad on fly section, allows use as single or manhole ladder.

FRONT MOUNTED PULLEY OPTION
Model No. A79-1 thru A79-12

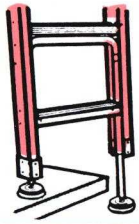
Locates pulley on ladder front for ease of lowering or raising with rope.



Note: Includes lock lowered 1 ft. changed rope lengths and relocated guide brackets.

ADJUSTABLE LADDER LEVELER OPTION
Model No. A80-1 thru A80-11

Adjustable ladder leveler locks with weight of ladder. Heavy-duty construction with swivel foot pads.



PADDED FIXED V-RUNG OPTION
Model No. A84-1

Note:
a) Fixed V-rung located at top of ladder.
b) Includes hoop type end caps with rail shields at top of fly section.

SWIVEL TOP V-RUNGS OPTION
Models A85-1 thru A85-12

Rubber covered steel. Self-centering pivots to working angle of 90°.

Models with 90° angle: A85-1, A85-2, A85-3, A85-4, A85-9 & A85-11

Working angle of 116° available for following models by special request. A85-5, A85-6, A85-7 A85-8, A85-10 & A85-12

SPUR FOOT OPTION
Model No. A86-1

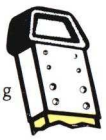
Plated steel spurs for slippery surfaces like ice, or frozen ground.

RUBBER PADDED FOOT OPTION
Model No. A87-1

Extruded rubber tread and protective rail shield.

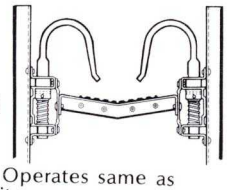
RUBBER END CAP OPTION
Model No. A88-1

Non-marring rubber prevents marks on metal or plastic surfaces.



COMBINATION CABLE HOOK AND V-RUNG KIT
Model No. A92-1 thru -7 A92-8 thru -14

Steel V-rung is faced with molded pad for non-slip performance.

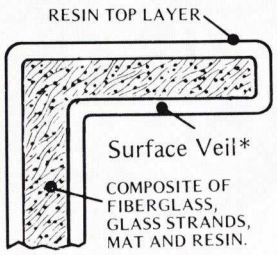


Two units in one. Operates same as present individual items.

Model No.	USED ON SERIES No.	SIZE	Approx. added wt. to ladder
A61-1	7100/D7100	ALL	-------
A63-4	All Extensions	28'	1.3
A63-5	All Extensions	32'	1.4
A64-1	All Extensions	ALL	.2
A65-1	7600	ALL	-------
A67-1	7200/7400	ALL	-------
A70-3	7500-1 7500-2	18' & 20' 36' & 40'	1.3
A71-3	7500-1 7500-2	18' & 20' 36' & 40'	1.4
A72-3	7500-1 7500-2	18' & 20' 36' & 40'	1.1
A73-8	7100-2	ALL	1.5
A73-9	D7100-2	ALL	1.3
A73-10	7100-3	Top Section	1.5
A73-11	S7800	-------	1.4
A73-12	7500-1	8'–16'	1.5
A73-13	7500-2	16'–32'	1.5
A73-14	D7500-2	16'–32'	1.4
A73-15	7500-1	18' & 20'	1.5
A73-16	7500-2	36' & 40'	1.5
A73-17	E7300	ALL	1.5
A73-18	7100-1	ALL	1.7
A78-1	7116-2	16'	.7
A78-2	7120-2	20'	.8
A78-3	7124-2	24'	.8
A78-4	7128-2	28'	.8
A78-5	7132-2	32'	.9
A78-6	7500/D7500	16'–32'	1.2
A78-7	D7116-2	16'	1.2
A78-8	D7120-2	20'	1.3
A78-9	D7124-2	24'	1.3
A78-10	D7128-2	28'	1.4
A78-11	D7132-2	32'	1.4
A79-1	7116-2	16'	
A79-2	7120-2	20'	
A79-3	7124-2	24'	.7
A79-4	7128-2	28'	
A79-5	7132-2	32'	
A79-6	7516-2	16'	
A79-7	7520-2	20'	
A79-8	7524-2	24'	
A79-9	7528-2	28'	.8
A79-10	7532-2	32'	
A79-11	7536-2	36'	
A79-12	7540-2	40'	
A80-1	7100-1	8'–16'	2.6
A80-2	7100-2	16'–32'	2.8
A80-5	7500-1	8'–16'	2.7
A80-6	7500-1	8'–20'	2.1
A80-7	7500-2	16'–32'	3.0
A80-8	7500-2	36'&40'	2.3
A80-11	D7500-2	16'–32'	2.0
A84-1	7100-2/D7100-2	16'–32'	2.6
A85-1	7100-2/D7500-2 7500-1	16'–32' 8'–16'	1.3
A85-2	7500-2/D7500-2	16'–32'	1.4
A85-3	7500-1/7500-2	18',20'/36',40'	1.4
A85-4	7100-1	ALL	1.5
A85-5	7100-2	16'–32'	1.3
A85-6	7500-1/7500-2	16'–32'	1.3
A85-7	7500-1/7500-2	16'–32'	1.4
A85-8	7100-1	ALL	1.4
A85-9	D7100-2	ALL	1.2
A85-10	D7100-2	ALL	1.2
A85-11	D7500-2	16'–32'	1.3
A85-12	D7500-2	16'–32'	1.3
A86-1	7100-1 7100-2/D7100-2	8'–16' 16'–32'	-----
A87-1	7100-1 7100-2/D7100-2	8'–16' 16'–32'	-----
A88-1	7100-1 7100-2/D7100-2	8'–16' 16'–32'	1.7
A92-1	7100-2	16'	2.9
A92-2		20'	
A92-3		24'	
A92-4		26'	
A92-5		28'	
A92-6		30'	
A92-7		32'	
A92-8	D7100-2	16'	2.8
A92-9		20'	
A92-10		24'	
A92-11		26'	
A92-12		28'	
A92-13		30'	
A92-14		32'	

ELECTRO-MASTER® FIBERGLASS LADDER SPECIFICATIONS

FIBERGLASS: Fiberglass ladder rails are manufactered by the Pultrusion Process.



Glass strand and continuous filament mat are pulled through a resin bath which includes an ultraviolet inhibitor, and then enter a heated die which determines the shape, controls the resin content, and cures the composite into a solid structural shape.

Werner's fiberglass rail is sealed with a resin impregnated fabric mat. The fabric mat outer layer improves the weathering resistance and surface finish, adding life to the rail. In the event of resin erosion the surface veil protects the user from fiberglass irritation. For unusual weather requirements, Werner fiberglass ladders coated with a protective polyurethane coating (Polane) is available on original equipment.

The degradation of surface appearance will be accelerated by warm, moist climates, areas of high humidity and by high solar (U. V.) radiation. Werner fiberglass rail surface options address this problem.

Lighter than industrial wood ladders, pultruded fiberglass has known structural characteristics. It's strength is not dependent upon grain or random natural fiber distribution.

STEPLADDER CONSTRUCTION: Werner fiberglass stepladders have back-up aluminum plates reinforcing all top connections. Every rivet is backed up by a metal part or washer to protect fiberglass *sawing* action, and nylon bushings at hinge points prevent wear on the rails. The deeply serrated Traction-Tred steps provide slip-resistant footing. Heavy-duty extruded rubber slip-resistant feet feature rail shields. Non-rusting aluminum heavy-duty 1" inside spreaders are bolted to rails.

EXTENSION LADDER CONSTRUCTION:
Werner's innovative "separation" system brings a *total ladder* concept to the technology of fiberglass extension ladders.

*Surface mat (veil) may consist of spun bonded polyester fabric, Nexus® or equivalent.

Many ladders are developed by random addition of new parts, but the Werner "separation" system is a complete philosophy of isolating fiberglass from abrasive metal.

The goal of this technique is long ladder life. It is accomplished by separating rail and rung with polyethylene wear sleeves. Rails are separated from rails with internal and external guides. Locks and rungs are separated by nylon lock flippers to eliminate abrasive wear.

The result is an extension section that moves on nylon coated guides, polyethylene sleeves, and nylon flippers, resulting in uniquely smooth ladder operation and longer ladder life.

Werner's ALFLO® process rung joints, with slip-resistant corrugated aluminum rungs, which are hydraulically swaged into rung plates, provides a Twist-Proof® construction. The four point web riveted rung plates provide additional stability and wind noises in transit are virtually eliminated.

ALUMINUM COMPONENTS
Heavy-duty extruded steps and rungs of alloy equivalent to 6061-T6. **Mechanical properties:** minimum yield strength 35,000 PSI; minimum ultimate strength 38,000 PSI. **Meets U.L. test requirements for metal ladders.**

ELECTRICAL PROPERTIES
(Independent Electrical Testing Lab)
D.C. Current leakage does not exceed 90 micro amps when 90,000 volts is applied to electrodes spaced 10" apart. (Conditioned 72 hours at 22° C and 60% Relative Humidity.) Between the rungs 12" apart, (10" of clean fiberglass rail) flashover does not occur below 90,000 volts.

Dielectric strength 25,000 volts per inch per A14.5 Code.

PHYSICAL PROPERTIES OF FIBERGLASS RAIL (Full Section):
Tensile Strength – 30,000 PSI; Compressive Strength is 20,000 PSI; Flexural Modulus – 2.8 million PSI; Water Absorption (ASTM D229) 0.75% max.

Step and extension ladders meet or exceed ANSI and OSHA codes.

MORE COMPLETE DETAILS AVAILABLE IN TECHNICAL MANUAL

REPLACEMENT PARTS FOR FIBERGLASS LADDERS

FOR THESE AND OTHER PARTS SEE CURRENT LADDER REPLACEMENT PARTS LIST

MAINTENANCE, REFINISHING & REPAIR

MAINTENANCE: Hardware, fittings and accessories should be checked frequently and kept in proper working condition. All pivoting connections should be oiled frequently and kept in good working order. All bolts and rivets are to be kept in place and tight before using the ladder, and no ladder should be used if any of them are missing. Do not use a ladder until it is repaired if the safety shoes of a single, extension, trestle, or extension trestle ladder or the padded feet of a step, platform, or combination ladder are worn excessively.

STORAGE: Ladders should be stored on racks designed to protect the ladder when not in use.

TRANSPORTING: Ladders transported on vehicles should be properly supported. Overhang of the ladders should be minimized. Tying the ladder to each support point will greatly reduce road shock. Racks should be padded.

INSPECTION: Complete ladder inspection should be periodic. Check all working parts to see that they are in proper functioning order before using a ladder. Where structural damage is found, the ladder should be discarded, or repaired by a competent mechanic.

GUIDELINES FOR REFINISHING TO PREVENT WEATHERING

a) Wax slows down the entry of water but is invisible to U.V. (Ultra Violet).

b) Clear acrylic coating fortified with U. V. absorbers will restrict moisture flow and U. V. and should be applied if fiber prominence is evident.

c) Pigmented coating (such as Acrylic Lacquer, Polyuerthene, two component epoxy, or vinyl suspension materials) will screen out an even greater amount of U. V. while restricting moisture entry.

d) In a chemical environment periodic inspection and possible coating may be warranted.

RECOMMENDED COATING METHODS

1) Sand ladder rails with non-metallic abrasive such as Scotchbright. Regular sandpaper or emery cloth may leave grit in the rail surface.

2) Wipe the rail surface with acetone or equivalent leaving no residue on the surface.

3) Use a primer followed by one or two coats of Acrylic Lacquer or Polyurethane paint with U. V. additives. To restore color apply a pigmented Acrylic or polyurethane.

ACCEPTABLE COATINGS

1. Sherwin-Williams
   a) Acrylic Lacquer L61Y25, clear or color may be pigmented to your ladder rail color. This product is available in aerosol cans.
   b) **Polane** polyurethane two component finishes.
2. Dupont Lucite Clear Acrylic Lacquer No. 326L DuPont Acrylic Lacquer is recommended because of its wide availability. Two coats will remedy the severest condition of fiber prominence.
3. Hooker Chemical Co.
   Durez Div.
   5 Walck Road
   North Tonawanda, N. Y. 01412

   Hetrolac Acrylic (#2489–80% solids). The coating is tack free in five minutes, and the second coat may be applied in one hour.
4. Sav-Cote Chemical Laboratories
   Dept. 5001
   P. O. Box 770
   Lakewood, N. J. 08701

   Sav-Cote Vinyl Suspension has the advantage in that it may be pigmented to your ladder rail color.

(Use the above products to manufacturers specs and direction.)

NOTE: Pre-painted polane polyurethane rails available on special request to minimize weathering and extend life.

GUIDELINES FOR RUNG REPLACEMENT

Before removing the damaged rung, check to ensure that the replacement rung assembly is the same length as the damaged rung.

(A) Drill through heads of rivets that are holding damaged rung assembly using 3/16" dia. bit. Make sure the drill bit is centered in the dimple of the rivet head while drilling. Drill only the thickness of the head. **Do not drill into ladder siderail.**

(B) If rivet head does not fall off, gently tap with a chisel and hammer. Keep chisel parallel to ladder while hitting with hammer.

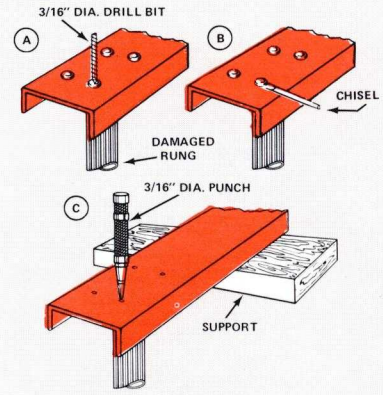
With head of rivet removed, tap rivet on through, using a 3/16" dia. punch and hammer. Be sure to support the ladder siderail near rivets being removed.

(C) Remove damaged rung and replace with new rung.

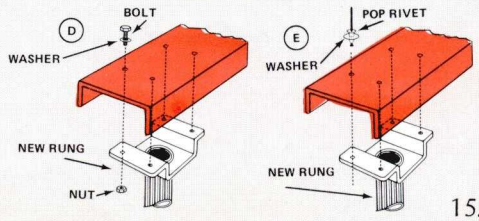
(D) Attach new rung with bolts, nuts, and washers provided in the replacement kit. The head of the bolt goes on the outside of the ladder siderail with a washer under the bolt head (see detail D). Tighten nut/bolt to 20 to 22 inch – pounds torque.

OR

(E) Attach new rung with stainless steel pop rivets, Werner P/N 60667-05. This is a 305 stainless steel, 3/16" diameter pop rivet with a 0.250 inch maximum grip length using a plated carbon steel break mandrel. (I. F. I. – Grade 50, Size 64). A plated steel, nominal number 10 Type 'A' plain washer (1/2 inch O.D., 7/32 inch I.D., .049 Inch thick) must be used under the head of the rivet. This is Werner P/N 60359-13. Always have the rivet head and washer against the fiberglass rail and the formed end of the rivet against the aluminum rung plate as shown in Detail E. **NEVER put the formed end of the rivet directly against the fiberglass rail!**



IF YOU HAVE DAMAGED THE LADDER SIDERAIL, YOU SHOULD NOT PROCEED. THE UNIT SHOULD NOT BE USED.



WERNER®

CORPORATE HEADQUARTERS:	P. O. Box 580, Greenville, PA 16125	Tel. (412) 588-8600	TWX 510-461-0972
CHICAGO PLANT:	P. O. Box 448, Franklin Park, IL 60131	Tel. (312) 455-9450	TWX 910-227-3579
SOUTHWESTERN REGION:	5400 E. Lindbergh Lane, Bell, CA 90201	Tel. (213) 269-8191	TWX 910-321-4353

Telex 91-4407

ADDITIONAL WAREHOUSE LOCATIONS

EAST:

R. D. Werner Co., Inc., Greenville, PA ..... (412) 588-8600
R. D. Werner Whse., J. D. Hendley Co., Tucker, GA.... (404) 491-1515
Saddle Creek Corp., Orlando, FL..... (305) 295-6011
R. D. Werner Warehouse, Greensboro, NC ..... (919) 272-0675
R. D. Werner Warehouse, S. Kearny, NJ ..... (201) 690-5880
Pool Distribution Services Inc., Kenner, LA ..... (504) 466-9456

MID-WEST:

R. D. Werner Co., Inc., Franklin Park, IL ..... (312) 455-9450
R. D. Werner Whse., Manufacturers' Distribution Services, ...
Minneapolis, MN ..... (612) 522-7200
Quality Warehouse, Inc., Kansas City, MO..... (816) 241-176
Edwards Warehouse, Inc., Dallas, TX..... (214) 233-99
R. D. Werner Whse., St. Louis, MO..... (314) 343-4000

WEST:

R. D. Werner Northern California Warehouse, Union City, CA... (415) 489-9222
R. D. Werner Southern California Warehouse, Bell, CA..... (213) 269-8191
R. D. Werner Whse., P & G Associates, Inc., Kent, WA..... (206) 872-7070
Schock Transfer & Warehouse, Denver, CO..... (303) 296-8400
R. D. Werner Whse., Jay Snyder Sales, Inc., Glendale, AZ ..... (602) 939-8306

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Printed in U. S. A.
LO December 1985